

OASIS – Online Analytical Statistical Information System

<https://oasis.state.ga.us>

Using OASIS for community health assessment and policy decision-making

Gordon R. Freymann, MPH | Fabio Machado, MPH | Sobia Sattar, MPH

Office of Health Indicators for Planning (OHIP)

Epidemiology Program

Georgia Department of Public Health



GEORGIA DEPARTMENT OF PUBLIC HEALTH

This tutorial consists of using OASIS to answer 6 questions:


1. What is the teen pregnancy rate for each county?
2. How are low birthweight births distributed within DeKalb county?
3. What age group has the most ER visits due to falls?
4. What is the trend of drug overdoses and opioids?
5. What are the significant causes of death in Muscogee county?
6. What are the top causes of premature death in GA and how are they distributed among age, sex and race?

Each question will be answered using a different tool of OASIS:

- a) Web Query Tool
- b) Mapping Tool
- c) Animated Charting Tool
- d) Trending Tool
- e) Community Health Needs Assessment & Leading Causes of Premature Death Dashboards.


1. Table: Age-specific Pregnancy Rates, 15-17 Years of Age, All Counties.

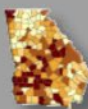


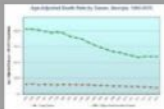


Choose Pregnancies below:



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse





Create tables, maps or charts of health data by selecting a topic below

Dashboards

Community Health Needs Assessment	Leading Causes of Premature Death
-----------------------------------	-----------------------------------

Mortality/Morbidity

Mortality	Sexually Transmitted Disease
Hospital Discharge	Drug Overdoses - Mortality
Emergency Room Visits	Drug Overdoses - ER/Inpatient
Ambulatory Care Sensitive Conditions	Alzheimer's Disease and Related Dementia (ADRD)

Maternal/Child Health (MCH)

Births	Pregnancies
Fetal Deaths	Maternal Deaths
Induced Terminations	Popular Baby Names

Infant Mortality

Infant Mortality	Perinatal Periods of Risk (PPOR)
Infant Mortality - Birth Cohort Based	

Population Characteristics

Population Counts	
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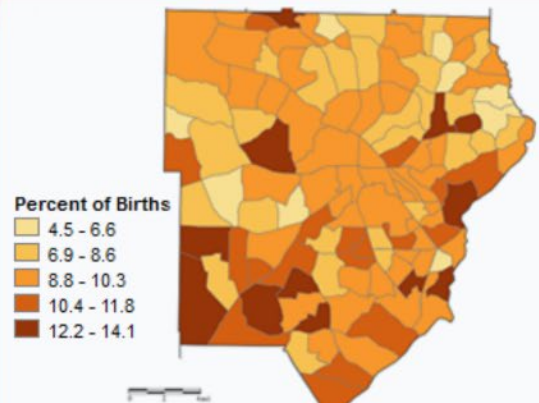
Latest Updates

- Births Trending Tool – Measures now multi-selectable. (10/23/2025)
- Drug Overdoses – ER/Inpatient: Fentanyl added as a cause choice, and ER Visit- and Inpatient-specific measures available. (8/27/2025)
- Infant Mortality Trending Tool – now allows multi-selecting of Measures. (8/18/2025)
- 2024 Hospital Discharge and ER Visit data added, including AFSC's Drug

How to Use OASIS / A Tutorial

Examples of Oasis:

What is the Prematurity rate by Census Tract in my County?



Referrer page – choose Get Table...



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse

24
Years of Service

Tool Selection: Select the type of output you need



Click icon to create Tables of various statistics and indicators.

[Get Table](#)



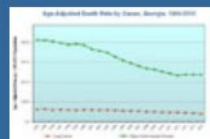
Click icon to create Animated Pyramid Charts that show the age / race / sex distribution of counts or percentages, including associated data tables.

[Get Animated Pyramids](#)



Click icon to create Maps by County, Region, or sub-county areas such as Census Tract.

[Get Map](#)




Click icon to create Line Charts to show trends of indicators over time; including associated data tables.

[Get Trends](#)



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The Pregnancies Web Query



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

MATERNAL CHILD HEALTH – PREGNANCY WEB QUERY

Accessing the Georgia Department of Public Health's Data Warehouse

Measure?
Pregnancies
Pregnancy Rate
First Pregnancies
Percent of First Pregnancies

Age? ☐ **Stratify?**
Mothers Age Groups
All Mothers Ages
10-14
15-17
18-19

Time?
2024
2023
2022
2021
2020
2019
2018
2017
2016
2015
2014
2013

Geography??
Counties
Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker
Baldwin
Banks
Barrow

Race?
All Races
White
Black or African-American

Ethnicity?
All Ethnicities
Hispanic or Latino
Not Hispanic or Latino

[Switch Tool](#)
[Quick Start Guide](#)
[Definitions](#)
[Get Data!](#)
[Reset](#)
[Change Data Source](#)

OASIS Web Query - Maternal Child Health (MCH) - Pregnancy Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's Data Warehouse.

- Create tables of pregnancy counts and rates by age, race, ethnicity, and county for 1994-latest year available.
- Pregnancies represent the sum of births, fetal deaths (of all gestational ages), and induced terminations; controlling for multiple pregnancies.
- Multiple selections can be made by holding down the Control or Shift keys. Use Shift key to select a continuous range of values.
- The source of these data is Birth, Fetal Death, and ITOP Certificates reported to the Georgia Office of Vital Records, and the official pregnancy statistics of Georgia.

[IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW THIS BEFORE USING THIS TOOL](#)



Make the following choices under **Measure**, **Age**, **Time**, and **Geography**...

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
MATERNAL CHILD HEALTH – PREGNANCY WEB QUERY
Accessing the Georgia Department of Public Health's Data Warehouse

Measure?
Pregnancies
Pregnancy Rate
First Pregnancies
Percent of First Pregnancies

Age? ☐ **Stratify?**
Mothers Age Groups
All Mothers Ages
10-14
15-17
18-19

Time?
2024
2023
2022
2021
2020
2019
2018
2017
2016
2015
2014
2013

Geography??
Counties
Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker
Baldwin
Banks
Barrow

Race?
All Races
White
Black or African-American

Ethnicity?
All Ethnicities
Hispanic or Latino
Not Hispanic or Latino

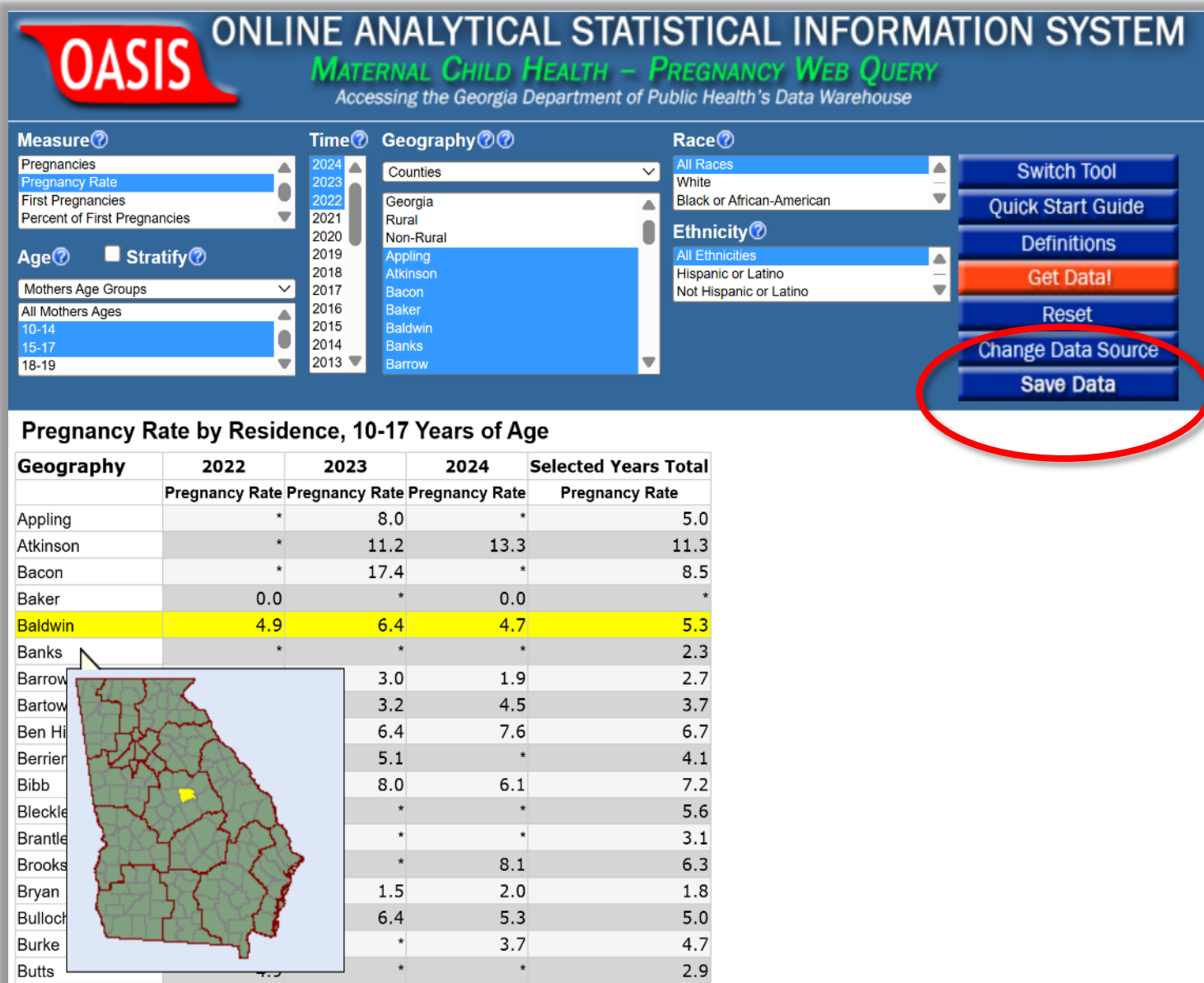
Switch Tool
Quick Start Guide
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Change Data Source

...then click Get Data!

You can use ctrl or shift or hold your mouse button to make multiple selections.

This is what the table looks like. Hovering over a county name will show a small map highlighting the location of the county.


The table can be saved as an xlsx file with the **Save Data** button.



2. Map - Spatial Variation WITHIN County: Percentage Low Birthweight.

Choose Births below:

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

Dashboards

Community Health Needs Assessment	Leading Causes of Premature Death
-----------------------------------	-----------------------------------

Mortality/Morbidity

Mortality Hospital Discharge Emergency Room Visits Ambulatory Care Sensitive Conditions	Sexually Transmitted Disease Drug Overdoses - Mortality Drug Overdoses - ER/Inpatient Alzheimer's Disease and Related Dementia (ADRD)
--	--

Maternal/Child Health (MCH)

Births Fetal Deaths Induced Terminations	Pregnancies Maternal Deaths Popular Baby Names
---	--

Infant Mortality

Infant Mortality Infant Mortality - Birth Cohort Based	Perinatal Periods of Risk (PPOR)
---	----------------------------------

Population Characteristics

Population Counts

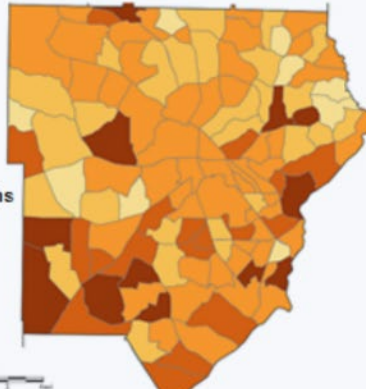
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How to Use OASIS / A Tutorial

Examples of Oasis:

What is the Prematurity rate by Census Tract in my County?



Percent of Births

- 4.5 - 6.6
- 6.9 - 8.6
- 8.8 - 10.3
- 10.4 - 11.8
- 12.2 - 14.1

Referrer page – choose Get Map...



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis

Accessing the Georgia Department of Public Health's Data Warehouse

24
Years of Service

Tool Selection: Select the type of output you need



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[Get Trends](#)



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The Births Mapping Tool:

**OASIS**
ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
MATERNAL CHILD HEALTH - BIRTH MAPPING TOOL
Accessing the Georgia Department of Public Health's Data Warehouse

[Quick Start Guide](#)[Definitions](#)

Measure:

Number of Births

Mapping Unit:

County

Geography:

Counties

All Counties

Appling

Atkinson

Bacon

Baker

Baldwin

Bolton

Aggregation:

1-Year Aggregates

Time:

2017

2016

2015

2014

Age:

All Mothers Ages

10-14

15-17

18-19

Race:

All Races

White

Black or African-American

Asian

Ethnicity:

All Ethnicities

Gestational Age:

All Gestation Ages

Very Preterm (<32 weeks)

Preterm (32-36 weeks)

Term (37-41 weeks)

Birthweight:

All Birthweights

<1,500 grams

1,500-2,499 grams

2,500-4,499 grams

Educational Level:

All Education Levels

Less than 9th Grade Education

9th through 11th Grade Education

High School or GED Education

Marital Status:

All Marital Statuses

Married

Unmarried

Number of Prenatal Care Visits:

All Prenatal Care Visits

< 5 Prenatal Care Visits

5-14 Prenatal Care Visits

15 or More Prenatal Care Visits

Month Began Prenatal Care:

All Months of Prenatal Care

First Trimester

Second Trimester

Third Trimester

Kotelchuck Index:

All Values

Inadequate

Intermediate

Adequate

Classification:

Natural Breaks (Jenks)

OASIS Mapping Tool - Maternal Child Health (MCH) -Birth Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create maps of birth counts and rates by age, race, ethnicity, education, marital status, county and census tract for 1994-latest year available.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of these data is Birth Certificates reported to the Georgia Office of Vital Records, and represent Georgia residents whether the birth occurred in Georgia or elsewhere. The data within serve as the official natality statistics of Georgia.
- Rates of prematurity use the obstetric estimate method starting with 2008 data.

IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW THIS BEFORE USING THIS TOOL

Change Measure to Percent of Births, Mapping Unit to Census Tract, and choose a county.

Measure:	Percent of Births
Mapping Unit:	Census Tract
Geography:	Counties Crawford Crisp Dade Dawson Decatur DeKalb
Aggregation:	5-Year Aggregates
Time:	2020-2024 2015-2019 2010-2014 2005-2009
Age:	All Mothers Ages 10-14 15-17 18-19
Race:	All Races White Black or African-American Asian
Ethnicity:	All Ethnicities
Educational Level:	All Education Levels Less than High School Education High School Diploma or GED (12 Some College or Higher
SES Vulnerability:	All SES Vulnerability Very Low Low Average
Gestational Age:	All Gestation Ages Very Preterm (<32 weeks) Preterm (32-36 weeks) Term (37-41 weeks)
Birthweight:	All Birthweights <1,500 grams 1,500-2,499 grams 2,500-4,499 grams
Marital Status:	All Marital Statuses Married Unmarried

Select <2,500 grams.

Marital Status:	All Marital Statuses Married Unmarried
Number of Prenatal Care Visits:	All Prenatal Care Visits < 5 Prenatal Care Visits 5-14 Prenatal Care Visits 15 or More Prenatal Care Visits
Month Began Prenatal Care:	All Months of Prenatal Care First Trimester Second Trimester Third Trimester
Kotelchuck Index:	All Values Inadequate Intermediate Adequate
Classification:	Quantile
Data Classes:	5
Color Scheme:	Green
<input checked="" type="checkbox"/> Show Trendable Maps	
Get Map!	
Reset	

Click Get Map.

[Switch Tool](#)[Quick Start Guide](#)[Definitions](#)[Save/Print](#)[Change Data Source](#)

Percent of Births by Census Tract of Residence, DeKalb County, Low Birthweight <2,500 grams, 2015-2024

Percent of Births

- 4.2 - 7.1
- 7.2 - 9.5
- 9.7 - 11.7
- 11.9 - 14.1
- 14.2 - 18.8
- Not Reportable

Layer visibility

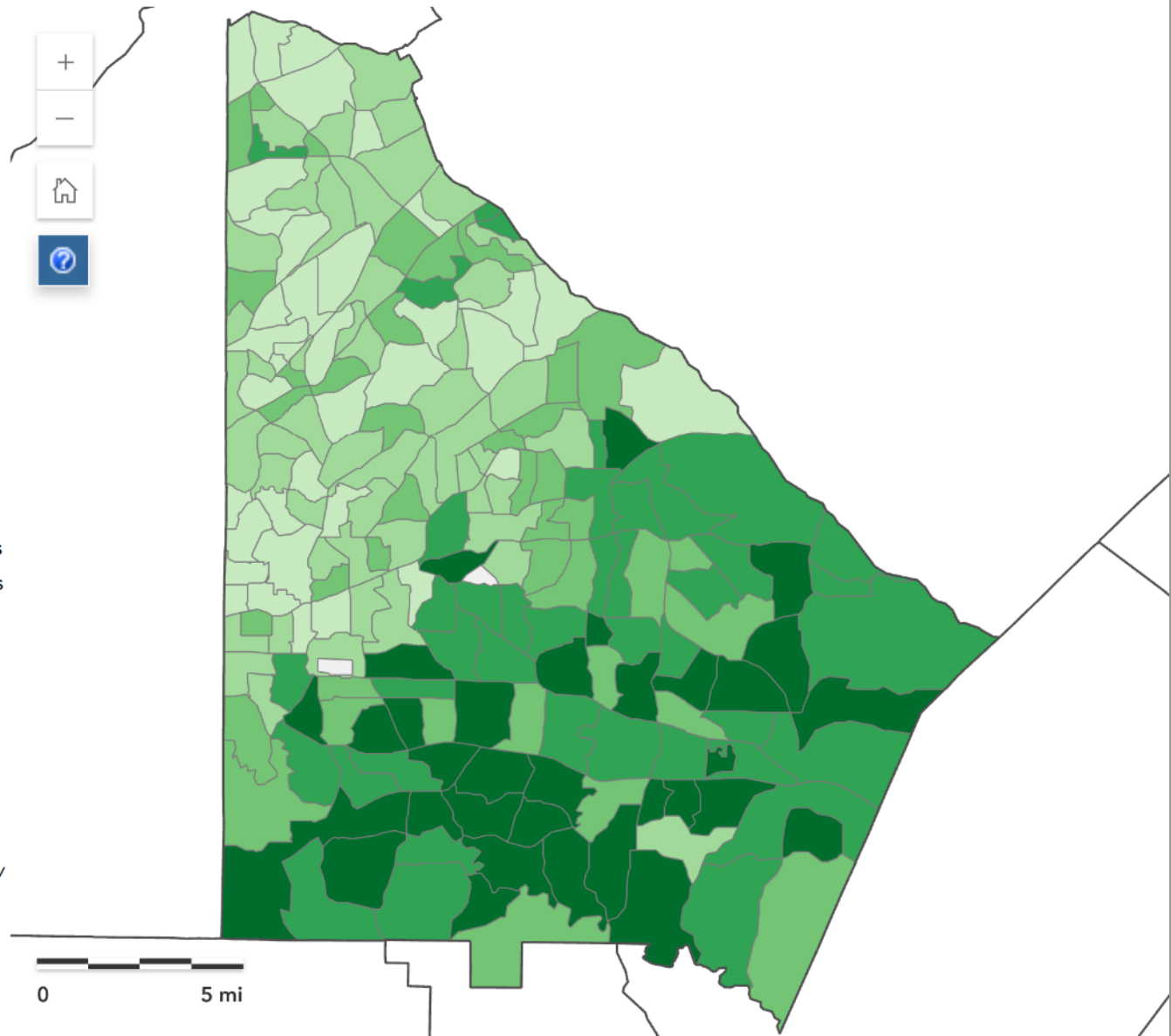
- ☐ Hospitals
- ☐ Cities/Towns
- ☐ Interstates
- ☐ Major Roads
- ☒ Counties
- ☐ County Labels
- ☐ GA House
- ☐ GA Senate
- ☐ ZIP Codes
- ☐ Public Health Districts
- ☐ Public Health District Codes
- ☐ Public Health District Labels
- ☐ Census Tract Labels

Base Layers

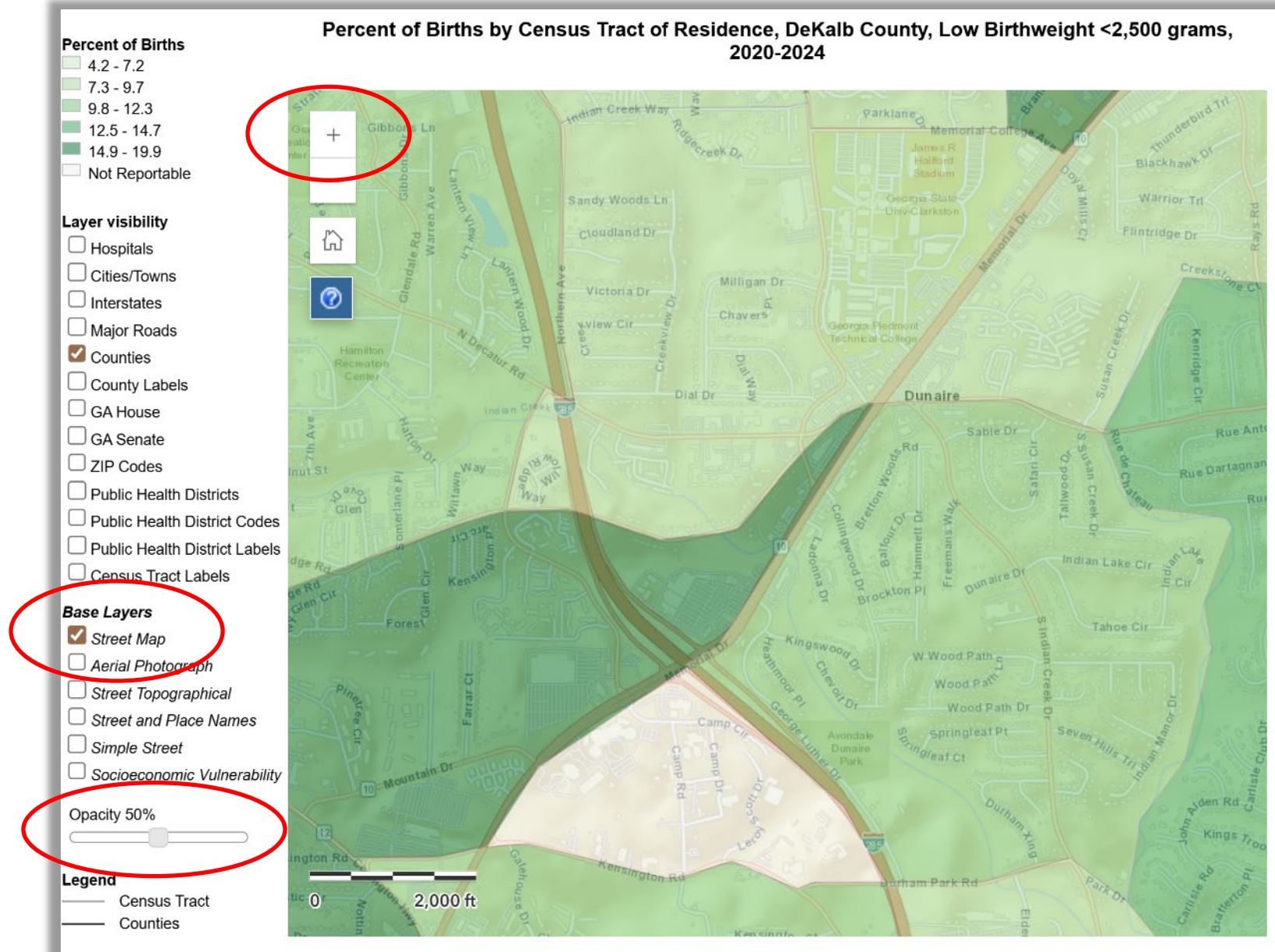
- ☐ Street Map
- ☐ Aerial Photograph
- ☐ Street Topographical
- ☐ Street and Place Names
- ☐ Simple Street
- ☐ Socioeconomic Vulnerability

Legend

- Census Tract
- Counties




Zoom in, turn on Street Map, and adjust the Opacity slider...



Maps can be saved locally. Other features include creating maps that show trends over time.


3. Charting: What age group has the most ER visits due to falls?

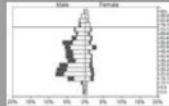
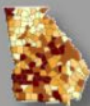


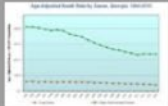


Select Emergency Room Visits below:



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Accessing the Georgia Department of Public Health's Data Warehouse





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Mortality/Morbidity

Mortality	Sexually Transmitted Disease
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Regulatory Care Sensitive Conditions	Alzheimer's Disease and Related Dementia (ADRD)

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Infant Mortality	Perinatal Periods of Risk (PPOR)
Infant Mortality - Birth Cohort Based	

Population Characteristics

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How to Use OASIS / A Tutorial

Examples of Oasis:

How does your county rank amongst other Counties and Georgia?

Diabetes Mellitus





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Accessing the Georgia Department of Public Health's Data Warehouse

24
Years of Service

Tool Selection: Select the type of output you need



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[Get Table](#)



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[Get Animated Pyramids](#)



Click icon to create Maps by County, Region, or sub-county areas such as Census Tract.


[Get Map](#)



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[Get Trends](#)

The ER Visits Animated Charting Tool



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

ANIMATED CHARTING TOOL (ACT)

Accessing the Georgia Department of Public Health's Data Warehouse

Measure	Geography?	Cause?	Switch Tool Quick Start Guide Definitions Get Pyramids! Reset Change Data Source
Number of ER Visits	County	OASIS Detailed Causes	
Race	Georgia	All Causes	
Total-White-Black	Rural	All Causes	
All Races (Total)	Non-Rural		
White	Appling		
Black or African-American	Atkinson		
Asian	Bacon		
	Baker		
	Bolton		
Ethnicity?	Aggregation?	Payor?	
All Ethnicities	1-Year Aggregates	All Payors	
Hispanic or Latino	3-Year Aggregates	Medicaid	
Not Hispanic or Latino	5-Year Aggregates	PeachCare	
		...	

OASIS Animated Charting Tool - Emergency Room (ER) Visit Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create pyramid charts of emergency room visit counts and rates by age, race, sex, cause, payor and county for 2002-latest year available.
- Pyramids show the distribution of a population by Age and Sex. Animation is available to view changes over time.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of this information is billing data (as captured on UB04 forms) provided by the Georgia Hospital Association. The data reflect Georgia residents who were seen in an acute care, non-federal hospital in Georgia. Therefore Georgia residents who were discharged from an out-of-state hospital are excluded. Causes are based on the principal diagnosis, except in cases involving an injury. ER Visits are reported by date of discharge, not admitting date.
- ICD10-CM was adopted on October 1, 2015 to report diagnoses.
- In addition, Death/Discharge/ER Combined statistics are available.

[IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW BEFORE USING THIS TOOL](#)



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Change All Causes to External Causes, and select Falls underneath:

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
ANIMATED CHARTING TOOL (ACT)
Accessing the Georgia Department of Public Health's Data Warehouse

Measure	Geography	Cause
Number of ER Visits	County	OASIS Detailed Causes
	Georgia	External Causes
	Rural	Any Subcategory
	Non-Rural	Motor Vehicle Crashes (MVC)
	Appling	Falls
	Atkinson	Accidental Shooting
	Bacon	Drowning
	Baker	Fire and Smoke Exposure
	Baldwin	

Race

- Total-White-Black
- All Races (Total)
- White
- Black or African-American
- Asian

Ethnicity

- All Ethnicities
- Hispanic or Latino
- Not Hispanic or Latino

Aggregation

- 1-Year Aggregates
- 3-Year Aggregates
- 5-Year Aggregates

Payor

- All Payors
- Medicaid
- PeachCare
- Medicare

Switch Tool

Quick Start Guide

Definitions

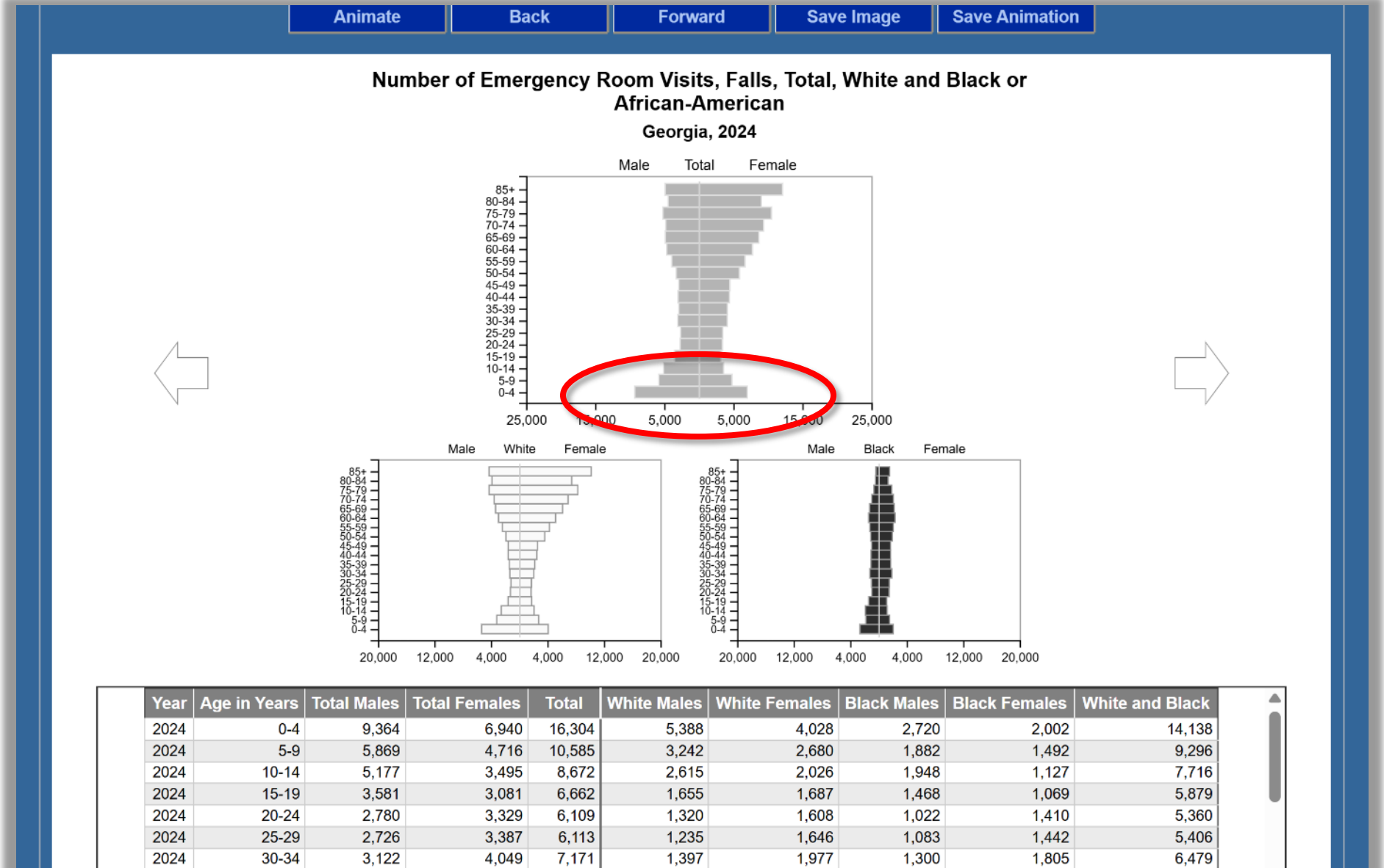
Get Pyramids!

Reset

Change Data Source


Click Get Pyramids!

Most ER Visits for Falls are among toddlers/young children:

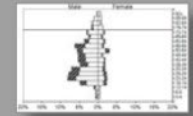
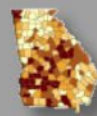
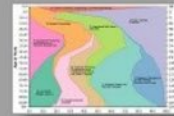
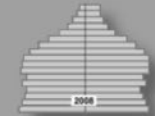
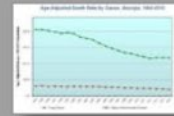




Both the chart and the data are shown, and both can be saved locally.

4. Trending Tool: What is the Trend of Drug Overdoses, and Opioids specifically? Choose *Drug Overdoses-Mortality* below:

**ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM**
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Years of Service
24



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How to Use OASIS / A Tutorial


Examples of Oasis:

What is the Trend in your county? And is it significant?




Year	Blue Squares (Left Axis)	Orange Circles (Right Axis)
2005	20.0	100
2006	17.0	80
2007	14.0	70
2008	13.0	65
2009	12.0	60
2010	16.0	80
2011	20.0	100
2012	20.0	100
2013	22.0	120
2014	21.0	120


Referrer Page – Get Trends:

**OASIS**

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**24**
Years of Service

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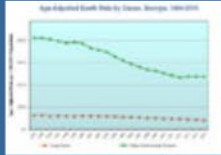
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Under “Cause”... choose the two shown, then Get Trends!

The screenshot shows the OASIS Trending Tool interface. The 'Cause' dropdown menu is highlighted with a red circle, showing 'All Drug Overdoses' and 'All Opioids only' selected. The 'Get Trends!' button is also highlighted with a red circle. Other visible options include 'Switch Tool', 'Quick Start Guide', 'Definitions', and 'Reset'.

OASIS ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
TRENDING TOOL
Accessing the Georgia Department of Public Health's Data Warehouse

Measure
Number of Deaths
Death Rate
Age-Adjusted Death Rate

Time
All Years
2024
2023
2022
2021
2020
2019
2018
2017

Geography
County
Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker

Race
All Races
White
Black or African-American

Ethnicity
All Ethnicities
Hispanic or Latino
Not Hispanic or Latino

Age ☐ **Stratify**
Detailed Age Groups
All Ages
<1 year
1-4 years
5-9 years
10-14 years
15-17 years
18-19 years

Aggregation
1-Year Aggregates
3-Year Aggregates
5-Year Aggregates

Sex
All Sexes
Male
Female

Cause
Drug Overdoses
All Drug Overdoses
All Opioids only
Natural, Semi-synthetic, Synthetic Opioids
Synthetic Opioids (e.g. Fentanyl) other than Me
Heroin
Methadone

Education ☐ **Stratify**
All Education Levels
Less than High School Education
High School Diploma or GED (12)

SES Vulnerability ☐ **Stratify**
All SES Vulnerability
Very Low
Low

Buttons:
Switch Tool
Quick Start Guide
Definitions
Get Trends!
Reset
Change Data Source

OASIS Trending Tool - Drug Overdose Mortality Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- Create line charts of mortality counts and rates by age, race, sex, cause, ethnicity and county for 1999-latest year available.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of these data is Death Certificates reported to the Georgia Office of Vital Records, and represent Georgia residents whether the death occurred in Georgia or elsewhere. Reported causes of death are based on the Underlying Cause (that which initiated the events leading to death), in conjunction with other-listed causes of death. Assignment of underlying cause is performed by the National Center for Health Statistics (NCHS) and uses ICD10 since 1999.
- For more information and analysis please visit the DPH Drug Overdose and Surveillance Unit: <https://dph.georgia.gov/drug-overdose-surveillance-unit>.

IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW BEFORE USING THIS TOOL



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Measure

Number of Deaths
Death Rate
Age-Adjusted Death Rate

Time

All Years
2024
2023
2022
2021
2020
2019
2018
2017

Geography

County
Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker

Race

All Races
White
Black or African-American

Ethnicity

All Ethnicities
Hispanic or Latino
Not Hispanic or Latino

Age

Detailed Age Groups

All Ages
<1 year
1-4 years
5-9 years
10-14 years
15-17 years
18-19 years

Aggregation

1-Year Aggregates
3-Year Aggregates
5-Year Aggregates

Sex

All Sexes
Male
Female

Cause

Drug Overdoses
All Drug Overdoses
All Opioids only
Natural, Semi-synthetic, Synthetic Opioids
Synthetic Opioids (e.g. Fentanyl) other than M
Heroin
Methadone

Education

All Education Levels
Less than High School Education
High School Diploma or GED (12)

SES Vulnerability

All SES Vulnerability
Very Low
Low

Switch Tool

Quick Start Guide

Definitions

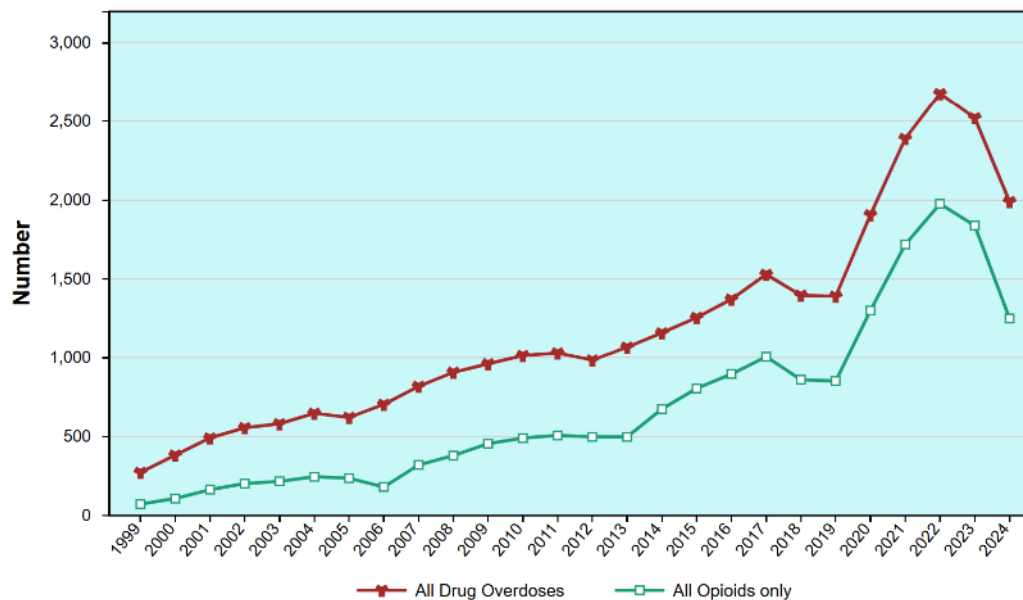
Get Trends!

Reset

Change Data Source

Save Image


Number of Deaths by Cause, All Drug Overdoses, All Opioids only, Georgia, 1999-2024



CAUSE	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All Drug Overdoses	274	383	492	557	582	648	622	705	819	908	962	1,014	1,030	986
All Opioids only	73	108	164	203	217	246	237	181	321	380	456	491	508	499



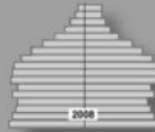
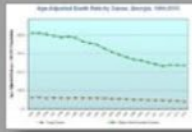


Both the chart and the data are shown, and both can be saved locally.

5. Community Health Needs Assessment – Ranked Cause Report for Muscogee County.



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

<h3>Dashboards</h3> <ul style="list-style-type: none">Community Health Needs AssessmentLeading Causes of Premature Death	
<h3>Mortality/Morbidity</h3> <ul style="list-style-type: none">MortalityHospital DischargeEmergency Room VisitsAmbulatory Care Sensitive ConditionsSexually Transmitted DiseaseDrug Overdoses - MortalityDrug Overdoses - ER/InpatientAlzheimer's Disease and Related Dementia (ADRD)	
<h3>Maternal/Child Health (MCH)</h3> <ul style="list-style-type: none">BirthsFetal DeathsInduced TerminationsPregnanciesMaternal DeathsPopular Baby Names	
<h3>Infant Mortality</h3> <ul style="list-style-type: none">Infant MortalityInfant Mortality - Birth CohortPerinatal Periods of Risk (PPOR)	

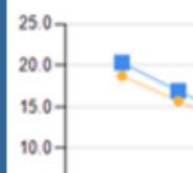
Latest Updates

- Births Trending Tool – Measures now multi
- Drug Overdoses – ER/Inpatient: Fentanyl a ER Visit- and Inpatient-specific measures a
- Infant Mortality Trending Tool – now allow (8/18/2025)
- 2024 Hospital Discharge and ER Visit data

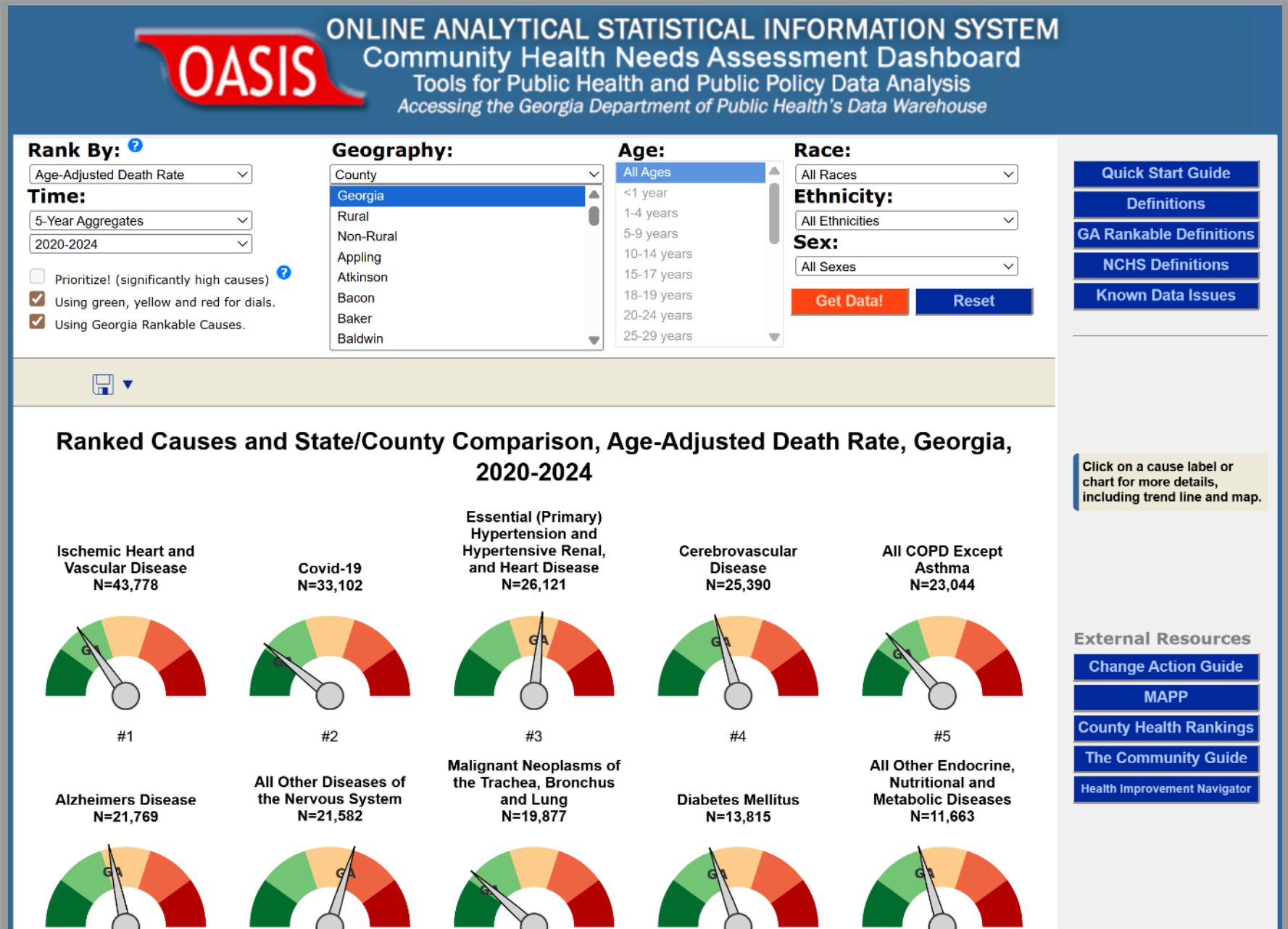
How to Use OASIS / A Tutori

Examples of Oasis:

What is the Trend in you
And is it significa



Initial Dashboard page shows Georgia as a whole:



Choose a county, and Get Data!

Rank By: ?

Age-Adjusted Death Rate

Time:

5-Year Aggregates

2020-2024

☐ Prioritize! (significantly high causes)

☒ Using green, yellow and red for dia.

☒ Using Georgia Rankable Causes.

Geography:

County

Mitchell

Monroe

Montgomery

Morgan

Murray

Muscogee

Newton

Oconee

Age:

All Ages

<1 year

1-4 years

5-9 years

10-14 years

15-17 years

18-19 years

20-24 years

25-29 years

Race:

All Races

Ethnicity:

All Ethnicities

Sex:

All Sexes

Get Data!

Reset

Quick Start Guide

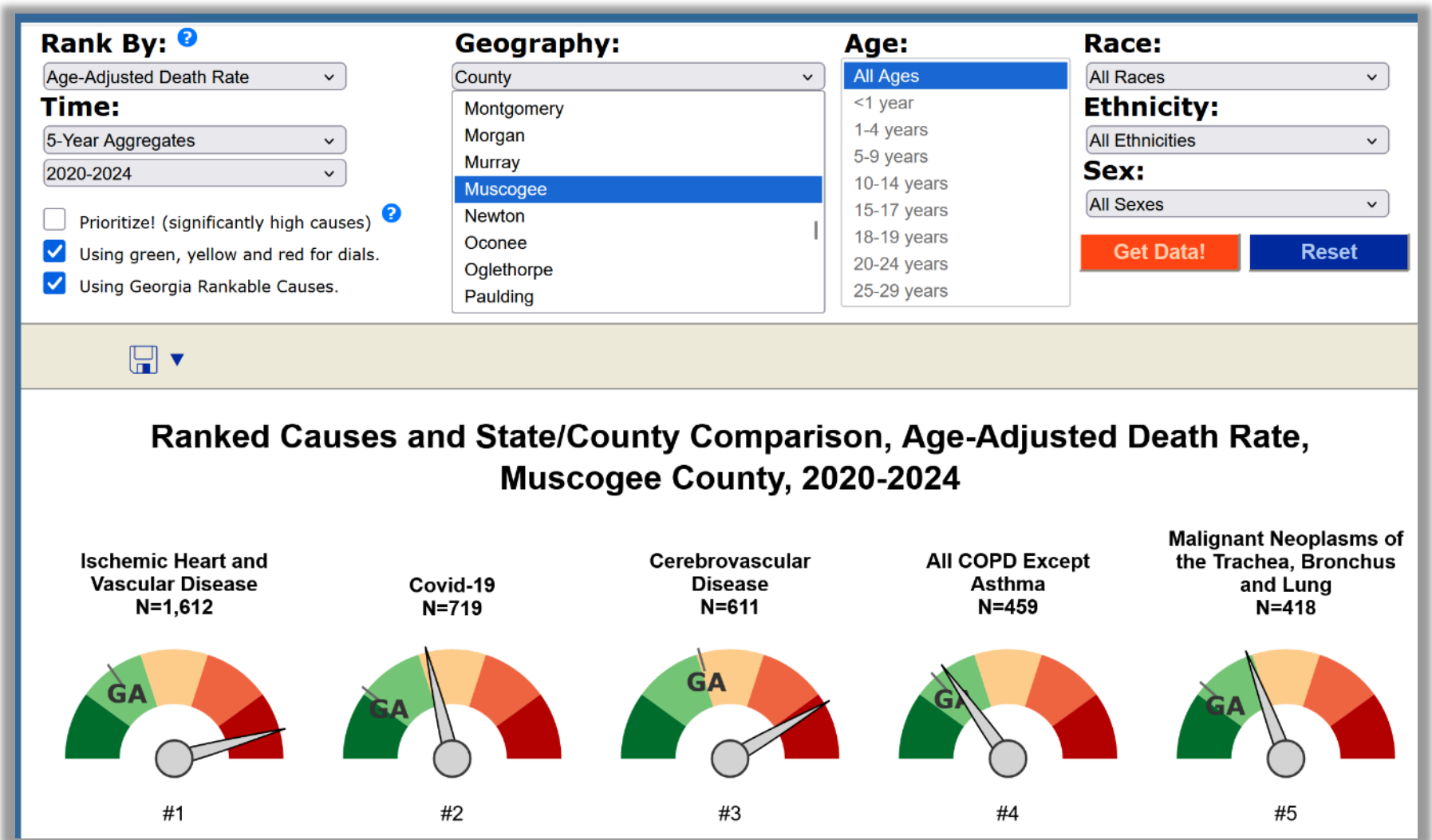
Definitions

GA Rankable Definitions

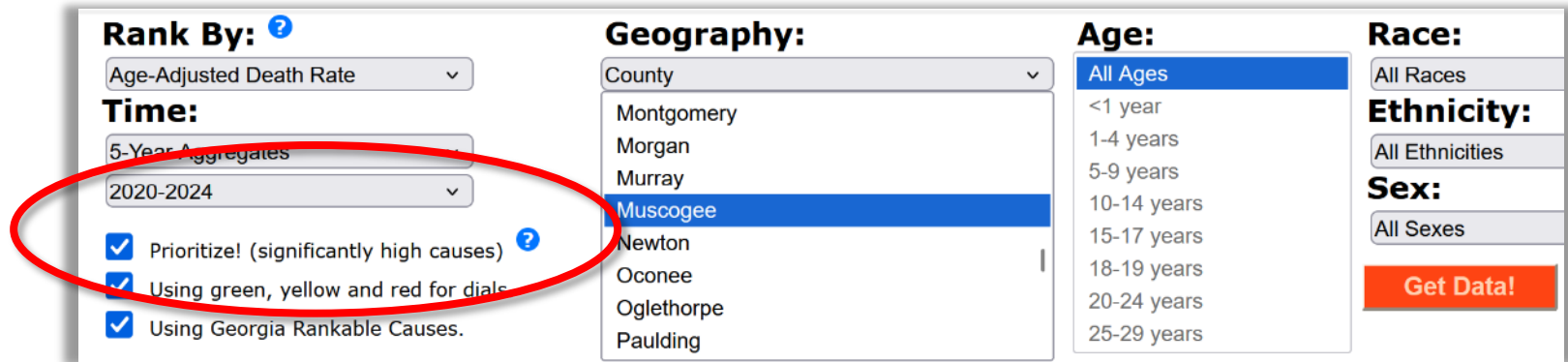
NCHS Definitions

Known Data Issues

The top 15 causes of mortality and how they compare to the state and other counties will be shown. Top 5 below:



This time, check the Prioritize! Box and Get Data!....



The screenshot shows a web interface for data filtering. It has four main sections: 'Rank By:', 'Geography:', 'Age:', and 'Race:'. The 'Rank By:' section has a dropdown menu set to 'Age-Adjusted Death Rate' and a 'Time:' section with a dropdown set to '5-Year Aggregates' and a date range of '2020-2024'. Below these are three checkboxes: 'Prioritize! (significantly high causes)', 'Using green, yellow and red for dial...', and 'Using Georgia Rankable Causes.'. The 'Prioritize!' checkbox is circled in red. The 'Geography:' section has a dropdown menu set to 'County' with a list of counties including Montgomery, Morgan, Murray, Muscogee (highlighted), Newton, Oconee, Oglethorpe, and Paulding. The 'Age:' section has a dropdown menu set to 'All Ages' with a list of age ranges from '<1 year' to '25-29 years'. The 'Race:' section has a dropdown menu set to 'All Races' with a list of 'All Ethnicities'. A 'Sex:' section is also present with a dropdown set to 'All Sexes'. An orange 'Get Data!' button is located at the bottom right.

Rank By:	Geography:	Age:	Race:
Age-Adjusted Death Rate	County	All Ages	All Races
Time:	Montgomery	<1 year	Ethnicity:
5-Year Aggregates	Morgan	1-4 years	All Ethnicities
2020-2024	Murray	5-9 years	Sex:
<input checked="" type="checkbox"/> Prioritize! (significantly high causes)	Muscogee	10-14 years	All Sexes
<input checked="" type="checkbox"/> Using green, yellow and red for dial...	Newton	15-17 years	Get Data!
<input checked="" type="checkbox"/> Using Georgia Rankable Causes.	Oconee	18-19 years	
	Oglethorpe	20-24 years	
	Paulding	25-29 years	

“Prioritize” will change the output from the top 15 causes, to only the top causes that occur significantly higher than expected as compared to the state as a whole.

Rank By: ?

Age-Adjusted Death Rate ▾

Time:

5-Year Aggregates ▾

2020-2024 ▾

- ☒ Prioritize! (significantly high causes) ?
- ☒ Using green, yellow and red for dials.
- ☒ Using Georgia Rankable Causes.

Geography:

County ▾

Montgomery
Morgan
Murray
Muscogee
Newton
Oconee
Oglethorpe
Paulding

Age:

All Ages

<1 year
1-4 years
5-9 years
10-14 years
15-17 years
18-19 years
20-24 years
25-29 years

Race:

All Races ▾

Ethnicity:

All Ethnicities ▾

Sex:

All Sexes ▾

Get Data!

Reset



Ranked Significantly High Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2020-2024

Ischemic Heart and
Vascular Disease
N=1,612



#1

Covid-19
N=719



#2

Cerebrovascular
Disease
N=611



#3

Malignant Neoplasms of
the Trachea, Bronchus
and Lung
N=418



#4

Diabetes Mellitus
N=397



#5


Prioritized: Cause #4 dropped out and is replaced by Lung Cancer, and Diabetes moved up to cause#5!


Comparative Review:

the Top 10 causes

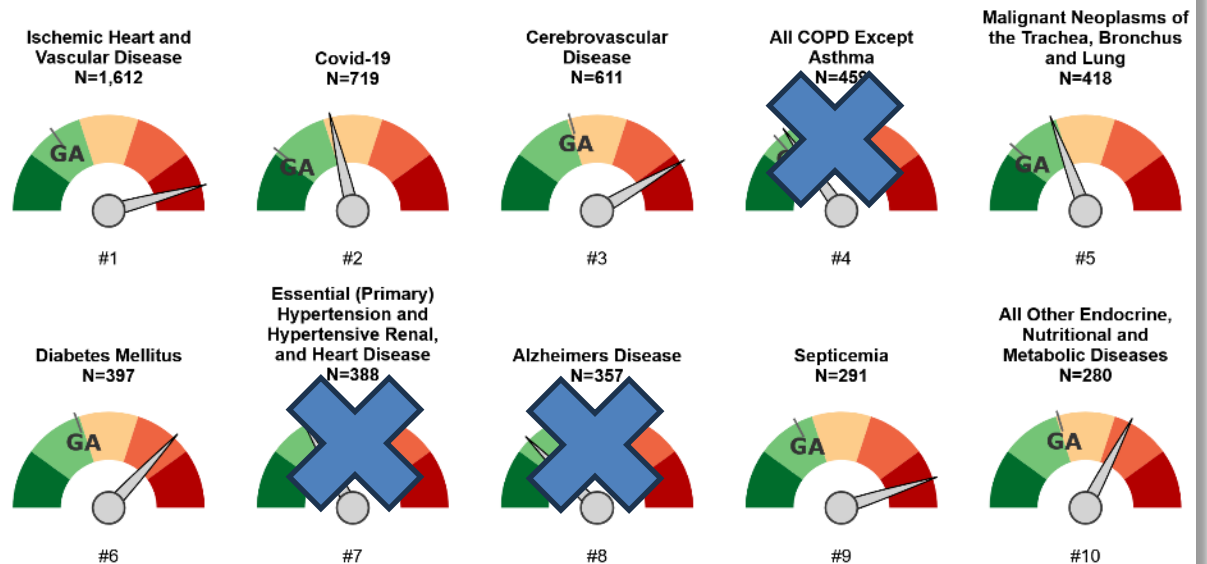
VS

*the Top 10
Significantly High
causes:*

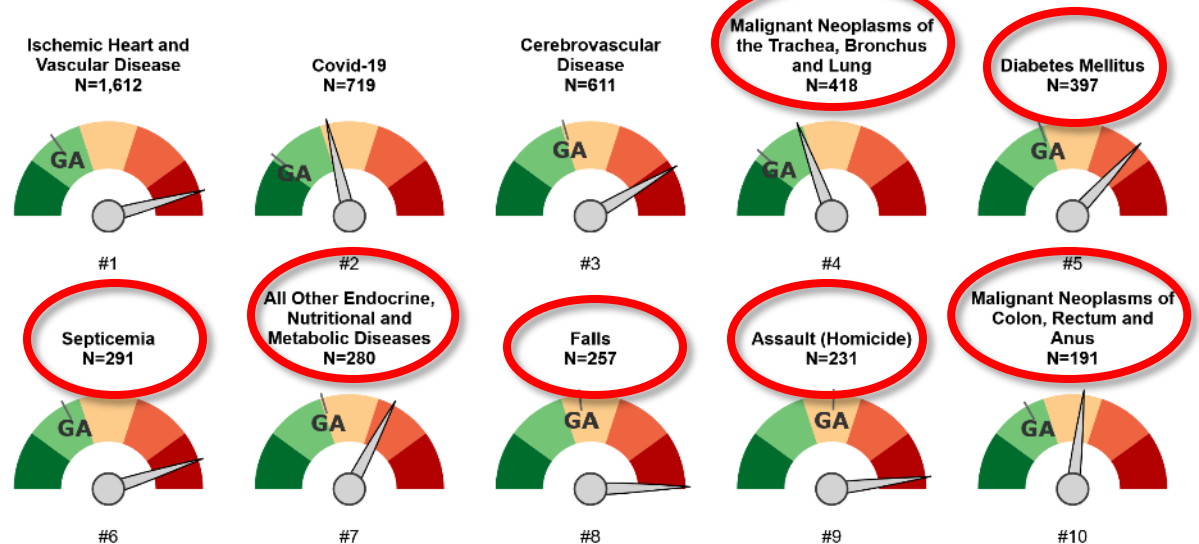
 = causes that were not significantly high.

 = causes that either changed position or appeared in top 10 once prioritized.

Ranked Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2020-2024

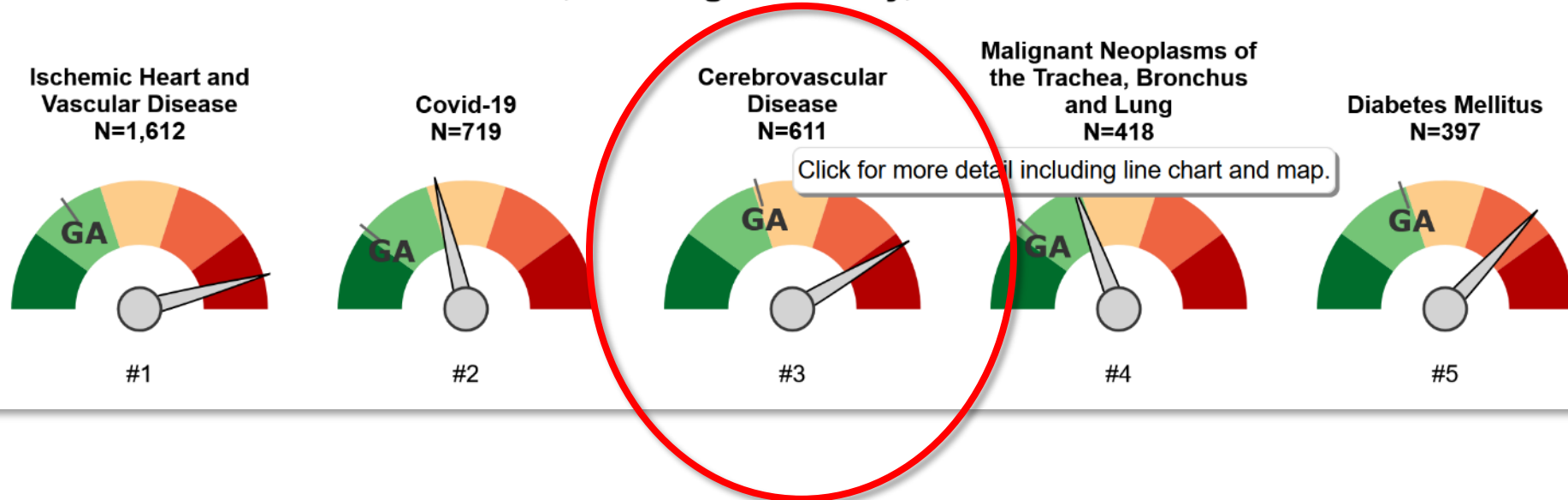


Ranked Significantly High Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2020-2024



Get a 'Details Report' for a specific cause by clicking on it:

Ranked Significantly High Causes and State/County Comparison, Age-Adjusted Death Rate, Muscogee County, 2020-2024

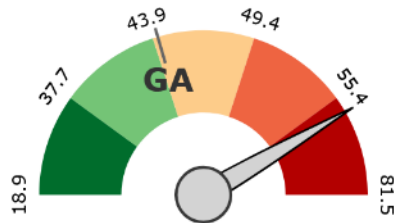


After clicking on the dial, a page will appear that shows detailed information about that cause, divided into 3 parts (shown in next 3 slides).

A. Details page: How Do We Compare to the State?

Age-Adjusted Death Rate - Cerebrovascular Disease for Muscogee County, 2020-2024

How Do We Compare to the State?



The dial above shows the Georgia Age-Adjusted Death Rate to be 44.0 per 100,000. The Age-Adjusted Death Rate for Muscogee County is 56.5 per 100,000. Additional values on the gauge represent percentiles from the lowest county rate to the highest county rate. The table shows the top 10 causes in Muscogee County, and how each compare in rank to the same causes for the State.

County Comparison with Georgia

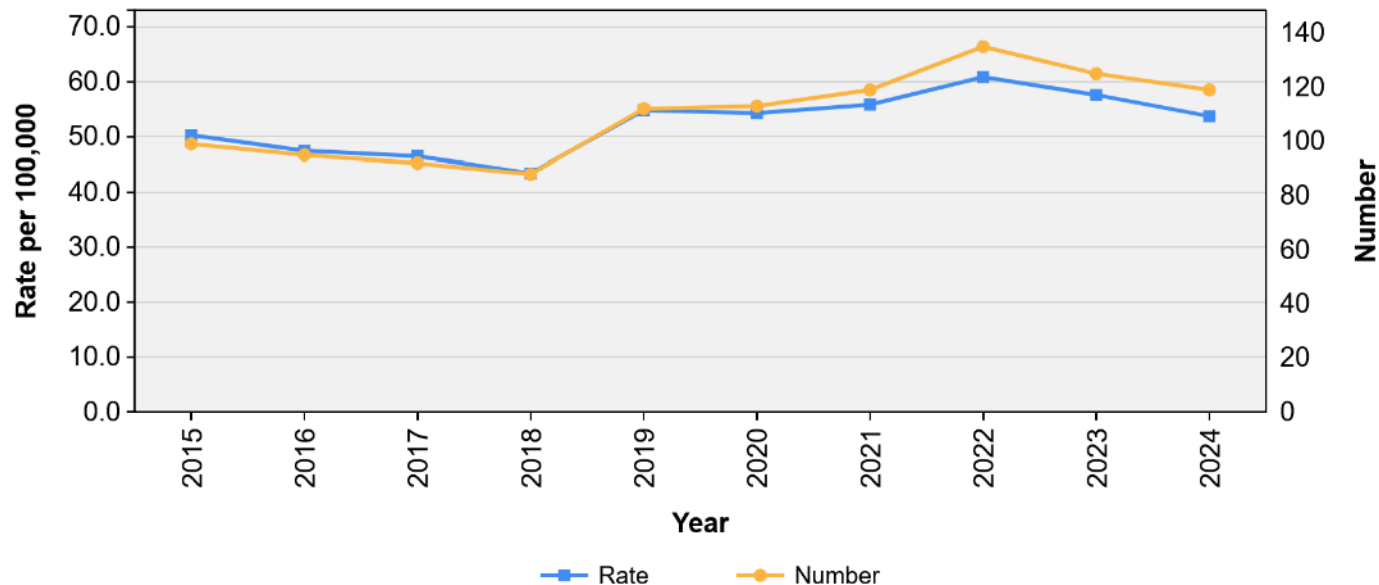
Cause	Selected Geography Rank	Georgia Rank
Ischemic Heart and Vascular Disease	1	1
Covid-19	2	2
Cerebrovascular Disease	3	4
All COPD Except Asthma	4	5
Malignant Neoplasms of the Trachea, Bronchus and Lung	5	8
Diabetes Mellitus	6	9
Essential (Primary) Hypertension and Hypertensive Renal, and Heart Disease	7	3
Alzheimers Disease	8	6
Septicemia	9	15
All Other Endocrine, Nutritional and Metabolic Diseases	10	10

B. Details page: What is the County's Trend?



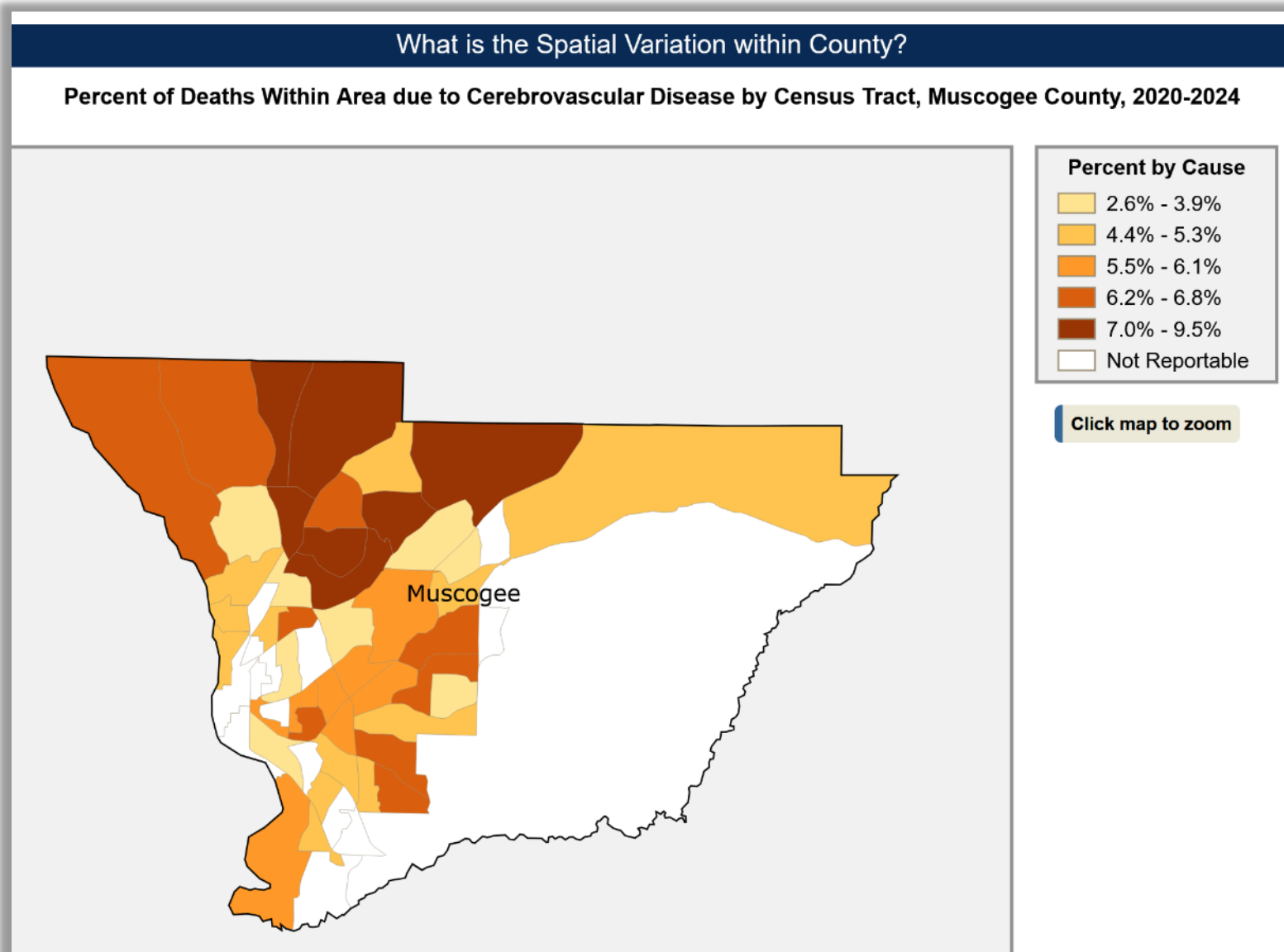
As stated above the current rate is 56.5 per 100,000. The rate for the previous 5 year aggregate (2015-2019) was 48.6 per 100,000. This difference is not statistically significant. Below is both the number and rate in the Muscogee County over the 10-year period.

Age-Adjusted Death Rate and Number for Cerebrovascular Disease for Muscogee County, 2020-2024




Note that a test of significance is applied automatically to the trend. In this case, there was no significant change over time.

C. Details page: What is the spatial variation within County?






6. Ranked Causes of Premature Death, with charted age/race/sex distributions?



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse



Create tables, maps or charts of health data by selecting a topic below

Dashboards

- Community Health Needs Assessment
- Leading Causes of Premature Death**

Mortality/Morbidity

Mortality	Sexually Transmitted Disease
Hospital Discharge	Drug Overdoses - Mortality
Emergency Room Visits	Drug Overdoses - ER/Inpatient
Ambulatory Care Sensitive Conditions	Alzheimer's Disease and Related Dementia (ADRD)

Maternal/Child Health (MCH)

Births	Pregnancies
Fetal Deaths	Maternal Deaths
Induced Terminations	Popular Baby Names

Infant Mortality

Infant Mortality	Perinatal Periods of Risk (PPOR)
Infant Mortality - Birth Cohort	


Latest Updates

- Births Trending Tool – Measures now multi...
- Drug Overdoses – ER/Inpatient: Fentanyl a...
ER Visit- and Inpatient-specific measures a...
- Infant Mortality Trending Tool – now allow...
(8/18/2025)
- 2024 Hospital Discharge and ER Visit data


How to Use OASIS / A Tutori...

Examples of Oasis:

What is the Trend in you...
And is it significa...



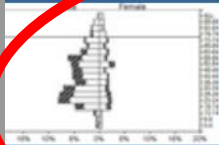
Referrer page – Get YPLL Pyramids...

 **OASIS**

ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM
Tools for Public Health and Public Policy Data Analysis
Accessing the Georgia Department of Public Health's Data Warehouse


Years of Service
24

Tool Selection: Select the type of output you need




Click icon to create Pyramid Charts of the Top 10 leading causes of Premature Death (measured by Years of Potential Life Lost (YPLL)).

[Get YPLL Pyramids](#)



Click icon to create Lifespan Histomaps of mortality based on the top 10 causes of Premature Death (measured by Years of Potential Life Lost (YPLL)).

[Get Lifespan Histomap](#)



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Page Version 3.48 Updated: 11/21/2025.

*“YPLL” stands for Years of Potential Life Lost and is a measure of premature death. Each death before age 75 is included, and their years of potential life lost (e.g. a death at age 55 would be 20 YPLL) are summed. Compared with leading causes of death, YPLL directs focus on causes that occur at younger ages. In doing so, **YPLL highlights causes that are more likely to be attributable to preventable causes and therefore subject to prevention and intervention.***

Click Get Causes!



ONLINE ANALYTICAL STATISTICAL INFORMATION SYSTEM

LEADING CAUSES OF PREMATURE DEATH

Accessing the Georgia Department of Public Health's Data Warehouse

Geography?

County

Georgia

Rural

Non-Rural

Appling

Atkinson

Bacon

Baker

Baldwin

Banks

Barrow

Bartow

Ben Hill

Time?

2024

2023

2022

2021

2020

2019

2018

2017

2016

2015

2014

2013

2012

2011

☐ Prioritize! (significantly high causes only) ?

☒ Georgia Rankable Causes. Uncheck box to use NCHS Rankable Causes.

Choose a
Geography, a Time,
and click
Get Causes!

Switch Tool

Definitions

GA Rankable Definitions

NCHS Definitions

Get Causes!

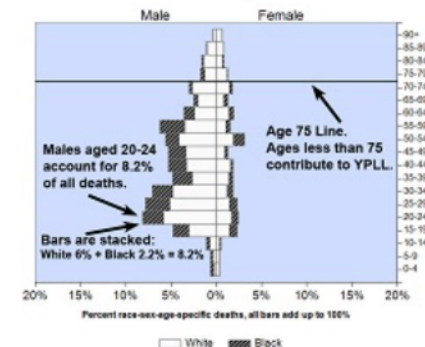
Reset

OASIS Leading Causes of Premature Death Tool - Mortality Statistics

OASIS (Online Analytical Statistical Information System) is a suite of tools used to access the Georgia Department of Public Health's standardized health data repository.

- This tool ranks the top 10 causes of Premature Death (measured by Years of Potential Life Lost (YPLL)), and displays Mortality Pyramid Charts for each.
- YPLL represents the sum of years of life lost before age 75. For example, a death at age 65 would be 10 years of potential life lost.
- The Mortality Pyramids show the percentage of deaths by Race, Sex, and Age, with a focus on those that occurred at ages less than 75 years.
- Data are available for 1994 - current year by State, Public Health District, Perinatal Region and County.
- Multiple selections can be made by holding down the Control or Shift keys.
- The source of these data is Death Certificates reported to the Georgia Office of Vital Records, and represent Georgia residents whether the death occurred in Georgia or elsewhere. The data within serve as the official mortality statistics of Georgia. Reported causes of death are based on the Underlying Cause: that which initiated the events leading to death. Assignment of underlying cause is performed by the National Center for Health Statistics and uses ICD10 since 1999.

Example



IMPORTANT NOTICE ABOUT KNOWN DATA ISSUES - PLEASE REVIEW BEFORE USING THIS TOOL



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The top 10 causes of premature death (YPLL) are shown in a list:

Geography?

County

Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker
Baldwin
Banks
Barrow
Bartow
Ben Hill

Time?

2024
2023
2022
2021
2020
2019
2018
2017
2016
2015
2014
2013
2012
2011

☐ Rankable (significantly high causes only)

☒ Georgia Rankable Causes. Uncheck box to use NCHS Rankable Causes.

Switch Tool
Definitions
GA Rankable Definitions
NCHS Definitions
Get Causes!
Reset
Save Images

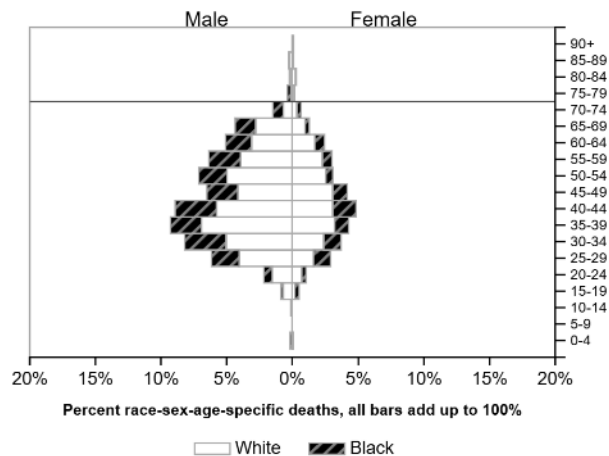
Top 10 Causes of YPLL and % Total YPLL:

- 1) Accidental Poisoning and Exposure to Noxious Substances 7.17% (58,118.5)
- 2) Ischemic Heart and Vascular Disease 6.41% (52,027.5)
- 3) Intentional Self-Harm (Suicide) 6.06% (49,163.0)
- 4) Motor Vehicle Crashes 5.66% (45,928.5)
- 5) Assault (Homicide) 4.88% (39,590.5)
- 6) Essential (Primary) Hypertension and Hypertensive Renal, and Heart Disease 4.55% (36,933.5)

Mortality Pyramids of the Top 10 Causes* of Years of Potential Life Lost (YPLL), Georgia, 2024

1) Accidental Poisoning and Exposure to Noxious Substances

ICD-10 Codes: (X40-X49)



*Using Georgia Rankable Causes.

Age in Years	Black Males	White Males	Total Males	White Females	Black Females	Total Females	Total
0-4	3	0	3	1	0	1	4
5-9	0	0	0	0	0	0	0
10-14	1	1	2	0	0	0	2
15-19	3	13	16	4	6	10	26
20-24	12	29	41	14	6	20	61
25-29	40	77	117	31	24	55	172
30-34	60	96	156	45	25	70	226

Click each cause to see their mortality pyramid.

Geography?
County
Georgia
Rural
Non-Rural
Appling
Atkinson
Bacon
Baker
Baldwin
Banks
Barrow
Bartow
Ben Hill

Time?
2024
2023
2022
2021
2020
2019
2018
2017
2016
2015
2014
2013
2012
2011

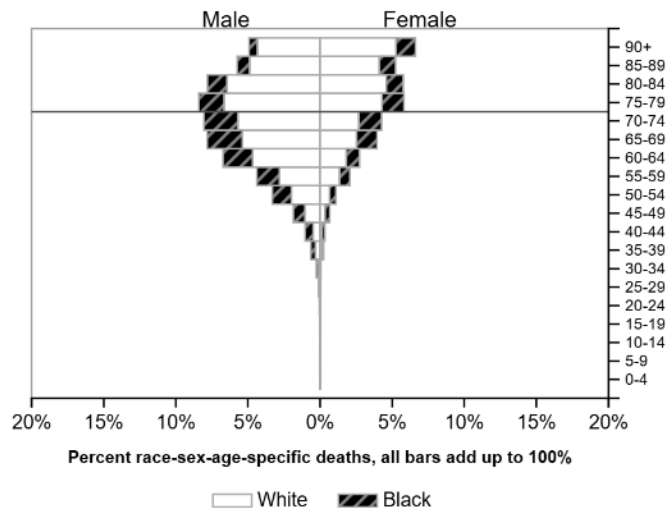
☐ Prioritize! (significantly high causes only)
☒ Georgia Rankable Causes. Uncheck box to use NCHS Rankable Causes.
Top 10 Causes of YPLL and % Total YPLL:
1) Accidental Poisoning and Exposure to Noxious Substances 7.17% (58,118.5)
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Switch Tool
Definitions
GA Rankable Definitions
NCHS Definitions
Get Causes!
Reset
Save Images

Mortality Pyramids of the Top 10 Causes* of Years of Potential Life Lost (YPLL), Georgia, 2024

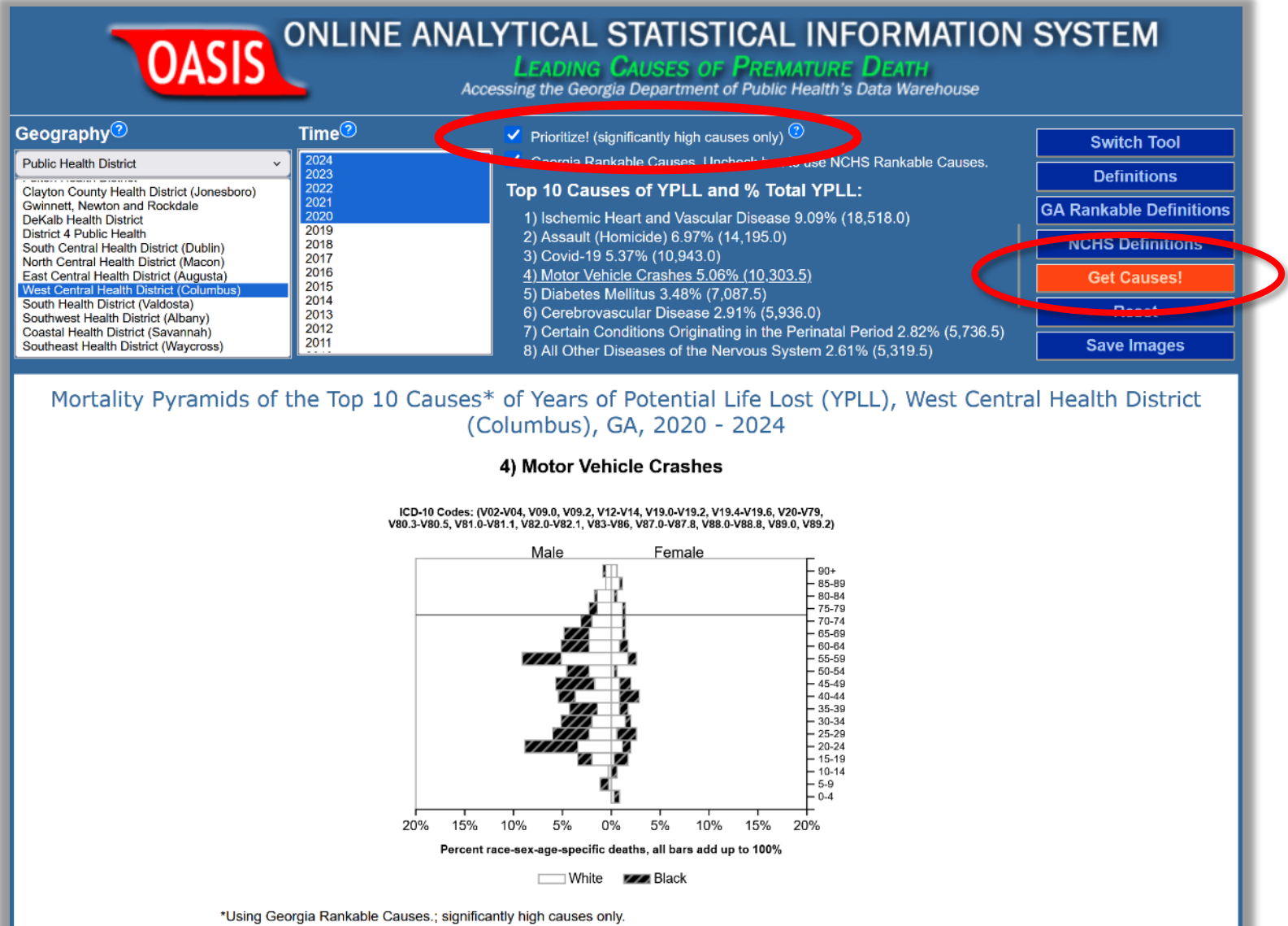
2) Ischemic Heart and Vascular Disease

ICD-10 Codes: (I20-I25, I70-I78.99)



*Using Georgia Rankable Causes.

Are there causes of premature death that occur significantly more than they should? Choose anything besides Georgia, check the **Prioritize!** checkbox, and Get Causes!



...that concludes this overview.

Other notes:

- All OASIS tools have a Quick Start Guide.
- All tools: results can either be exported to Excel or saved as an image.
- CHNA Dashboard: Results can be exported directly into Word format.
- OASIS is developed in-house.
- All queries are done on-the-fly = Over 10^{100} possible combinations.
- If it's not on OASIS, just ask!

We hope this helps – please feel free to contact us with questions or for more info.

Gordon R. Freymann, MPH

Director

Fabio Machado, MPH

Data Quality Specialist & OASIS trainer

Sobia Sattar, MPH

Community Health Data Analyst

Contact us at:

ohip@dph.ga.gov

Office of Health Indicators for Planning (OHIP)

Epidemiology Program

Georgia Department of Public Health



<https://oasis.state.ga.us>